

Receiving Report

APR 06 2016

Date:

Batch No: 31868 13480

Supplier: AVIAJL

Dart P/O: 31868

Packing Slip: Yes No
 Invoice: Yes No
 Receipt: Cash Cr
 New Supplier Yes No

Release Note Attached: Yes No N/A
 Waybill Attached: Yes No
 Shipment Complete: Yes No N/A
 QC18 Inspection
 Work Order

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

SJ

Production/Admin:

Date

Location

Received/Costing

Initial



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO31868

Purchase Order Date 3/30/2016

PO Print Date 3/30/2016

Page Number 1 of 2

Order From : VU-AVI003

AVIALL
PO BOX 842275

DALLAS, TX 75284-2275
USA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA



MAR 30 2016

Contact Name
Vendor Phone 905-676-1695

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB EXW - (Ex Works)

Ship To Contact
Ship To Phone
Ship Via: FedEx Overnight collect
Ship Acct:

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD Promise Date	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	156001-8D-0102	Hose Assembly	4/4/2016 Yes 4/4/2016	5.00 Each		\$91.69	\$458.45
		AS PER DWG E4670 REV. A B143896				Line Total:	\$458.45
2	CR3242-4-2	RIVET	4/4/2016 Yes 4/4/2016	100.00 Each		\$0.30	\$29.83
						Line Total:	\$29.83
3	71400-11	PRO-SEAL PS890-2 PINT SIZE	4/4/2016 Yes 4/4/2016	12.00 Each <i>16 1/4</i> <i>SV</i>		\$64.05	\$768.60

PO Instructions: Fedex Acc#151793240

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PC31868

Purchase Order Date 3/30/2016

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Page Number 2 of 2

Order From : VU-AVI003

AVIALL
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CANADA

Contact Name
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Ship To Contact
Ship To Phone
Ship Via: FedEx Overnight collect
Ship Acct:

Customer POID 10127-2607
Customer Tax #
Terms Net 30
Currency USD
FOB EXW - (Ex Works)

Deliver To: ANDY

				Line Total:	\$768.60
4	71401-45	PROCUREMENT QUALITY CLAUSES	4/4/2016	1.00	\$0.00

Procurement Quality Clauses
A005 RIGHT OF ENTRY
A012 CHEMICAL AND PHYSICAL TEST REPORTS
A015 SHELF LIFE CONTROLLED MATERIAL, 60%
A016 PERSONNEL QUALIFICATION
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT
A033 STATEMENT OF CONFORMITY/TEST RECORDS
FOR NAS, AN and MS FASTENERS
A040 NOTIFICATION OF QUALITY ESCAPE
A041 QUALITY MANAGEMENT SYSTEM
A043 RETENTION OF QUALITY DOCUMENT

	Line Total:	\$0.00
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	PO Total:	\$1,256.88
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PO Instructions: Fedex Acc#151793240

CL U

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 3/30/2016

Chantal Lavoie

From: lmcclelland@aviall.com on behalf of toronto@aviall.com
Sent: Tuesday, March 29, 2016 2:51 PM
To: Chantal Lavoie
Subject: Re: quote - DART AEROSPACE - Quote 4500552941

Hi Chantal - see below

Thank you
Laura

Aviall Toronto
7425 Tranmere Drive
Unit 2
Mississauga, Ontario
L5S 1L4

Phone: 905-676-1695
Fax: 905-676-9046
Email: Toronto@aviall.com

Subject to Prior Sales
Subject to MFG price changes

Any Aviall quote, acknowledgement or acceptance of your purchase order is made subject to Aviall's Terms and Conditions of Sale. You agree that Aviall's Terms and Conditions of Sale replace and supersede your proposed terms and conditions for all purposes and your acceptance of such terms is evidenced by you continuing to go forward with this order after receipt of this stamped notice. Go to www.aviall.com and click on Terms and Conditions for a copy of such terms.

From:	Chantal Lavoie <clavoie@dartaero.com>
To:	Toronto Inbound Queue/Aviall <toronto@aviall.com>,
Date:	03/29/2016 02:36 PM
Subject:	quote - DART AEROSPACE

Good afternoon,
Please advise price and delivery on item.

Pro-seal PS890-2 pint size x 12 kit Cr3242-4-2 x 50	PS890B2PT CR3242-4-02	64.05 each pkg 100	stock in Dallas 29.83/100	stock Toronto
Ms51861-45c x 10	nothing on this, would you like me to source?			

Thanks
Chantal

Chantal Lavoie
Purchasing Coordinator

TACK CLOTHS	PBE020001S	0	12	Bertrand	9.60\$
ANTI-SEIZE marine grade	10045K25		1	Mc Master	17.47\$
Norton Champagne	31626	100	1	UAP	59.60/pk 100
paint gun HVLP w/remov. Nozzle tip	65220			UAP	179.98
EAR PLUGS	S-15344	3		ULINE	36.00\$
PRIMER DESOTO	515.349	4		Air Dynamics	415.00\$
HARDER PPG DELFLEET	F3210	6		Auto Parts	124.49
REDUCER PPG DELFLEET	F3390	1		Auto Parts	99.27
BLUE PPG PAINT DELFLEET	FBC915914	4		MAX AUTO	
FLATTENING AGENT GAL	F3118	4		Auto Parts	304.95
CLEAR PPG DELFLEET	F3921	5		Auto Parts	295.38
PRIMER FILLER	DUPLEX404S-USGAL	1		Bertrand	228.51\$
ACTIVATOR /REDUCER slow dry	LE1185S	1		Bertrand	105.03
ACTIVATOR/REDUCER fast dry	LE 1175S	1		Bertrand	105.03\$
Gravel Guard Black	AW4715	4	12	Bertrand	11.30\$
3M green masking tape 1/2"	MMM26346	6	12	Bertrand	3.178
3M green masking tape 2"	MMM26340	6	12	Bertrand	7.95
CLEAR IMRON 2.1	DUPHGC-1333	1	2	Bertrand	93.38
ACTIVATOR IMRON 2.1 GALLON	DUPFG-1333-USGL	1	2	Bertrand	245.7
THINNER IMRON 2.1	DUPT1021-USGL	1	2	Bertrand	39.13
ACCELERATOR IMRON 2.1	DUPVG-805-USPT	1	2	Bertrand	44.17
S HOOKS	9381T24 25PER PK		20	MCMaster	4.06
PUSH IN ROUND PLUG BLACK	9688K122 100 PER PK		4	Mc Master	6.26
DP-460 SCOTCH WELD	7467A26	2	8 12	Mc Master	22.61
AN814-6D	paint fuel canister		12	Aviall	
AN814-8D	paint fuel canister		12	Aviall	
Powder coat glossy black	PS111N9			Protech	296.25\$
Powder coat gray	PS311A13			Protech	260.00\$
ALCOHOL 99% ISOPROPYL	SCNSAY426	4	16	BERTRAND	28.62
PRO-SEAL	PS890-B2 (PINT)	6	12	AVIALL	68.64
LID KIT DEVILBISS	GFC-404-K2	4		BERTRAND	7.85
Assembly kit rivet nut 10-32	94675A069	2		McMaster	99.74
Assembly kit rivet nut 1/4-20	94675A071	2		McMaster	99.74
Sherwin-Williams hardener	CM05710814	4		AVIALL	48.65\$
sand paper wet/dry	MIR21-104-080	1	PK OF 25	Bertrand	18.14
sand paper wet/dry	MIR21-104-320	1	PK OF 25	Bertrand	34.28
sand paper wet/dry	MMM02022 P1200	1	PK OF 50	Bertrand	0.88

8872 K63

Chantal Lavoie

From: lmcclelland@aviall.com on behalf of toronto@aviall.com
Sent: Wednesday, March 30, 2016 9:47 AM
To: Chantal Lavoie
Subject: Re: quote - DART AEROSPACE - Quote 4500553535

Morning Chantal - see below for quote 4500553535

Thank you
Laura

Aviall Toronto
7425 Tranmere Drive
Unit 2
Mississauga, Ontario
L5S 1L4

Phone: **905-676-1695**
Fax: **905-676-9046**
Email: Toronto@aviall.com

Subject to Prior Sales
Subject to MFG price changes

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From:	Chantal Lavoie <clavoie@dartaero.com>
To:	Toronto Inbound Queue/Aviall <toronto@aviall.com>,
Date:	03/30/2016 07:41 AM
Subject:	quote - DART AEROSPACE

Good morning,
Please advise price and delivery on item.

156001-8D-0102 x 5 pcs hose 91.69 each delivery 2-3 days after order
Thanks
Chantal

Chantal Lavoie
Purchasing Coordinator

DART AEROSPACE
T 1 613 632-5200
F 1 613 632-1053
E clavoie@dartaero.com
1 800 556-4166
www.dart aerospace.com

PACKING LIST



PAGE:1 OF 1

DATE:05APR16

TIME:17:38:42

EMP:00000000

ORD TYP: ZOR 169

CURRENCY:USD

TERMS:Net 30

CUSTOMER PO:31868
 ORDER NUMBER:1002043549
 ORDER DATE:05APR16

DELIVERY NUMBER: 8002955793

ROUTE: US FedEx International Priority

B 10003952
 I DART AEROSPACE LTD
 L 1270 ABERDEEN STREET
 L HAWKESBURY ON K6A 1K7
 CANADA

G 10003952
 H DART AEROSPACE LTD
 I 1270 ABERDEEN STREET
 P HAWKESBURY ON K6A 1K7
 CANADA

S 1000
 H AVIALL CENTRAL WAREHOUSE
 I DALLAS CDC
 P 2750 REGENT BLVD
 DFW AIRPORT TX 75261-9048
 F USA
 R
 M

TO

TO

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM	LIST PRICE	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	29	CR3242-4-02 RIVET: BLIND,FLUSH HD,100PK	1	1	/	0 PAK	73.35	29.83	29.83
00020	0	5N	BATCH 7364181273 PS890B2PT KIT: SEALANT,FUEL TANK,PT BATCH 7364189074 Exp Date :01DEC16	12	12	1	0 EA	128.66	64.05	768.60
									16/5/16 JL	

This is not an Invoice.
 For payment processing, please refer to Invoice.

The recipient of these goods agrees to comply with all export regulations governing the transfer, sale, lease, or use of these goods.
 Diversion contrary to U.S. Law is prohibited.

CERTIFICATE OF CONFORMANCE

It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001, AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd. DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, Mil Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/JAA/EASA approved Air Agency are attached to the component.

JR Hofmann, Director, Global Quality

05APR16
Date

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL RETURNED MERCHANDISE SUBJECT TO HANDLING FEE.

THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH THE PROVISIONS OF THE FAIR LABOR ACT OF 1938 AMENDED.

CUSTOMER COPY



A BOEING COMPANY

Commercial Invoice

AVIALL SERVICES INC

2750 REGENT BLVD

DFW AIRPORT TX 75261

USA

Government Transaction Number

NOEEI FTR 30.36

Delivery Number

8002955793

Tracking Number

Commercial Invoice Number

9303641207

Incoterms

Ship Date

EXW Shipping Point

05 April, 2016

Sold To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ultimate Consignee DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ship To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Freight Forwarder FEDEX FEDEX NATIONAL LTL INC PO BOX 94515 PALATINE IL 60094-4515 USA Tax Number: 20-4734803	400010
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Comments:

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Value USD	Extended Value USD
20	CR3242-4-02 - RIVET: BLIND,FLUSH HD,100PK Harmonized Tariff: 8308200000 Export Classification: 9A991.d Authorization: NLRAT_APR_2016 Sales Order: 1002043549 PO: 31868 Batch Number: 7364181273	US	1	PAC	29.83	29.83
30	PS890B2PT - KIT: SEALANT,FUEL TANK,PT Harmonized Tariff: 3214100020 Export Classification: EAR99 Authorization: NLRAT_APR_2016 Sales Order: 1002043549 PO: 31868 Batch Number: 7364189074	US	12	EA	64.05	768.60



Commercial Invoice

Delivery Number

8002955793

Commercial Invoice Number

9303641207

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Price USD	Extended Value USD

Gross Value	798.43
Add on Charges	
Tax Value	
Freight Charges	
Total Net Value	798.43

**FOR CUSTOMS PURPOSES ONLY
NOT A BILLING INVOICE**

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US laws is prohibited.

SAFETY DATA SHEET



Date of issue/Date of revision 24 February 2015
Version 3.02

Section 1. Identification

Product name : PS 890 B 2 Part A
Product code : PS 890 B 2 Part A
Other means of identification : Not available.
Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications.

Use of the substance/mixture : Sealants

Uses advised against : Not applicable.

Supplier : PPG Aerospace PRC-DeSoto
12780 San Fernando Road
Sylmar, CA 91342
Phone: 818 362 6711

Emergency telephone number : (412) 434-4515 (U.S.)
(514) 645-1320 (Canada)
01-800-00-21-400 (Mexico)

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture : ACUTE TOXICITY (oral) - Category 4
ACUTE TOXICITY (inhalation) - Category 4
SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 2
TOXIC TO REPRODUCTION (Fertility) - Category 2
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 9.5%

GHS label elements

Hazard pictograms :



Product code PS 890 B 2 Part A

Date of issue 24 February 2015 --Version- 3.02

Product name PS 890 B 2 Part A

Section 2. Hazards identification

Signal word : Warning

Hazard statements : Harmful if swallowed or if inhaled.
May cause an allergic skin reaction.
Suspected of damaging fertility.
Suspected of causing cancer.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Response : Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements : Sanding and grinding dusts may be harmful if inhaled. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.

Hazards not otherwise classified : Oxidising potential : Contact with combustible material may cause fire. Keep away from clothing, incompatible materials and combustible materials. This material increases the risk of fire and may aid combustion. Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product name : PS 890 B 2 Part A

Ingredient name	%	CAS number
manganese dioxide	30 - 60	1313-13-9
Terphenyl, hydrogenated	10 - 30	61788-32-7
Zeolites	5 - 10	1318-02-1
Polyphenyls, quater- and higher, partially hydrogenated	3 - 7	68956-74-1
Talc, not containing asbestos-form fibres	1 - 5	14807-96-6
carbon black, respirable powder	1 - 5	1333-86-4
magnesium carbonate	1 - 5	546-93-0
terphenyl	1 - 5	26140-60-3
1,3-diphenylguanidine	0.5 - 1.5	102-06-7
bis(piperidinothiocarbonyl) tetrasulphide	0.5 - 1.5	120-54-7

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

Section 3. Composition/information on ingredients

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

Description of necessary first aid measures

Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Ingestion	: If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: No known significant effects or critical hazards.
Inhalation	: Harmful if inhaled.
Skin contact	: Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.
Ingestion	: Harmful if swallowed.

Over-exposure signs/symptoms

Eye contact	: No specific data.
Inhalation	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

Indication of immediate medical attention and special treatment needed, if necessary

Section 4. First aid measures

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Section 6. Accidental release measures

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Special precautions

: Keep away from combustible materials. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

: Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
manganese dioxide	ACGIH TLV (United States, 4/2014). TWA: 0.1 mg/m³, (as Mn) 8 hours. Form: Inhalable fraction TWA: 0.02 mg/m³, (as Mn) 8 hours. Form: Respirable fraction OSHA PEL (United States, 2/2013). CEIL: 5 mg/m³, (as Mn)
Terphenyl, hydrogenated	ACGIH TLV (United States, 4/2014). TWA: 4.9 mg/m³ 8 hours. TWA: 0.5 ppm 8 hours.
Zeolites	ACGIH TLV (United States, 4/2014). TWA: 1 mg/m³ 8 hours. Form: Respirable fraction
Talc , not containing asbestos-form fibres	ACGIH TLV (United States, 4/2014). TWA: 2 mg/m³ 8 hours. Form: Respirable OSHA PEL Z3 (United States, 2/2013). TWA: 20 mppcf 8 hours. Form: not containing asbestos
carbon black, respirable powder	ACGIH TLV (United States, 4/2014). TWA: 3 mg/m³ 8 hours. Form: Inhalable fraction OSHA PEL (United States, 2/2013). TWA: 3.5 mg/m³ 8 hours.
magnesium carbonate	OSHA PEL (United States, 2/2013). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction
terphenyl	ACGIH TLV (United States, 4/2014). C: 5 mg/m³ C: 0.53 ppm OSHA PEL (United States, 2/2013). CEIL: 9 mg/m³ CEIL: 1 ppm

Key to abbreviations

A	= Acceptable Maximum Peak
ACGIH	= American Conference of Governmental Industrial Hygienists.
C	= Ceiling Limit
F	= Fume
IPEL	= Infernal Permissible Exposure Limit
OSHA	= Occupational Safety and Health Administration.
R	= Respirable
Z	= OSHA 29CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

S	= Potential skin absorption
SR	= Respiratory sensitization
SS	= Skin sensitization
STEL	= Short term Exposure limit values
TD	= Total dust
TLV	= Threshold Limit Value
TWA	= Time Weighted Average

Consult local authorities for acceptable exposure limits.

Section 8. Exposure controls/personal protection

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety glasses with side shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Gloves : butyl rubber

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Section 9. Physical and chemical properties

Appearance

Physical state	: Liquid.
Color	: Black.
Odor	: Not available.
Odor threshold	: Not available.
pH	: Not available.
Melting point	: Not available.
Boiling point	: 360°C (680°F)
Flash point	: Closed cup: Not applicable.
Material supports combustion.	: Yes.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Evaporation rate	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 1.88
Density (lbs / gal)	: 15.69
Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n-octanol/water	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >0.21 cm²/s (>21 cSt)
VOC	: Not available.
% Solid. (w/w)	: 100

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

Section 10. Stability and reactivity

Hazardous decomposition : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
manganese dioxide	LD50 Oral	Rat	3478 mg/kg	-
Terphenyl, hydrogenated	LD50 Oral	Rat	17500 mg/kg	-
Zeolites	LD50 Oral	Rat	>5 g/kg	-
carbon black, respirable powder	LD50 Dermal	Rabbit	>3 g/kg	-
	LD50 Oral	Rat	>15400 mg/kg	-
magnesium carbonate	LD50 Oral	Rat	8000 mg/kg	-
terphenyl	LD50 Oral	Rat	1400 mg/kg	-
1,3-diphenylguanidine	LD50 Oral	Rat	323 mg/kg	-

Conclusion/Summary : There are no data available on the mixture itself.

Irritation/Corrosion

Conclusion/Summary

Skin : There are no data available on the mixture itself.

Eyes : There are no data available on the mixture itself.

Respiratory : There are no data available on the mixture itself.

Sensitization

Conclusion/Summary

Skin : There are no data available on the mixture itself.

Respiratory : There are no data available on the mixture itself.

Mutagenicity

Conclusion/Summary

: There are no data available on the mixture itself.

Carcinogenicity

Conclusion/Summary

: There are no data available on the mixture itself.

Classification

Product/ingredient name	OSHA	IARC	NTP
Zeolites	-	3	-
carbon black, respirable powder	-	2B	-

Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

Reproductive toxicity

Conclusion/Summary : There are no data available on the mixture itself.

Teratogenicity

Section 11. Toxicological information

Conclusion/Summary : There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Name	Category
Zeolites	Category 3
Talc , not containing asbestosiform fibres	Category 3
1,3-diphenylguanidine	Category 3

Specific target organ toxicity (repeated exposure)

Name	Category
manganese dioxide	Category 2

Target organs : Contains material which causes damage to the following organs: lungs, skin, central nervous system (CNS).

Contains material which may cause damage to the following organs: blood, kidneys, the nervous system, liver, spleen, lymphatic system, cardiovascular system, upper respiratory tract, bone marrow, eye, lens or cornea.

Aspiration hazard

Not available.

Information on the likely routes of exposure

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : Harmful if inhaled.

Skin contact : Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.

Ingestion : Harmful if swallowed.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
irritation
redness
dryness
cracking
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Section 11. Toxicological information

Conclusion/Summary	: There are no data available on the mixture itself. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.
<u>Short term exposure</u>	
Potential immediate effects	: There are no data available on the mixture itself.
Potential delayed effects	: There are no data available on the mixture itself.
<u>Long term exposure</u>	
Potential immediate effects	: There are no data available on the mixture itself.
Potential delayed effects	: There are no data available on the mixture itself.
<u>Potential chronic health effects</u>	
General	: May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: Suspected of damaging fertility.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	1099.7 mg/kg
Inhalation (gases)	10532.1 ppm
Inhalation (vapors)	25.75 mg/l
Inhalation (dusts and mists)	3.511 mg/l

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Product code PS 890 B 2 Part A

Date of issue 24 February 2015 Version 3.02

Product name PS 890 B 2 Part A

Section 12. Ecological information

Product/ingredient name	Log P _{ow}	BCF	Potential
1,3-diphenylguanidine bis(piperidinothiocarbonyl) tetrasulphide	1.69 2.8	19.95 16.98	low low

Mobility in soil

Soil/water partition coefficient (K_d) : Not available.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

14. Transport information

	DOT	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class (es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

Additional information

DOT : None identified.

IMDG : None identified.

IATA : None identified.

14. Transport information

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

United States inventory (TSCA 8b) : All components are listed or exempted.

Australia inventory (AICS) : All components are listed or exempted.

Canada inventory (DSL) : All components are listed or exempted.

China inventory (IECSC) : All components are listed or exempted.

Europe inventory (REACH) : Please contact your supplier for information on the inventory status of this material.

Japan inventory (ENCS) : All components are listed or exempted.

Korea inventory (KECI) : All components are listed or exempted.

New Zealand (NZIoC) : All components are listed or exempted.

Philippines inventory (PICCS) : All components are listed or exempted.

United States

SARA 302/304

SARA 304 RQ : Not applicable.

Composition/information on ingredients

No products were found.

SARA 311/312

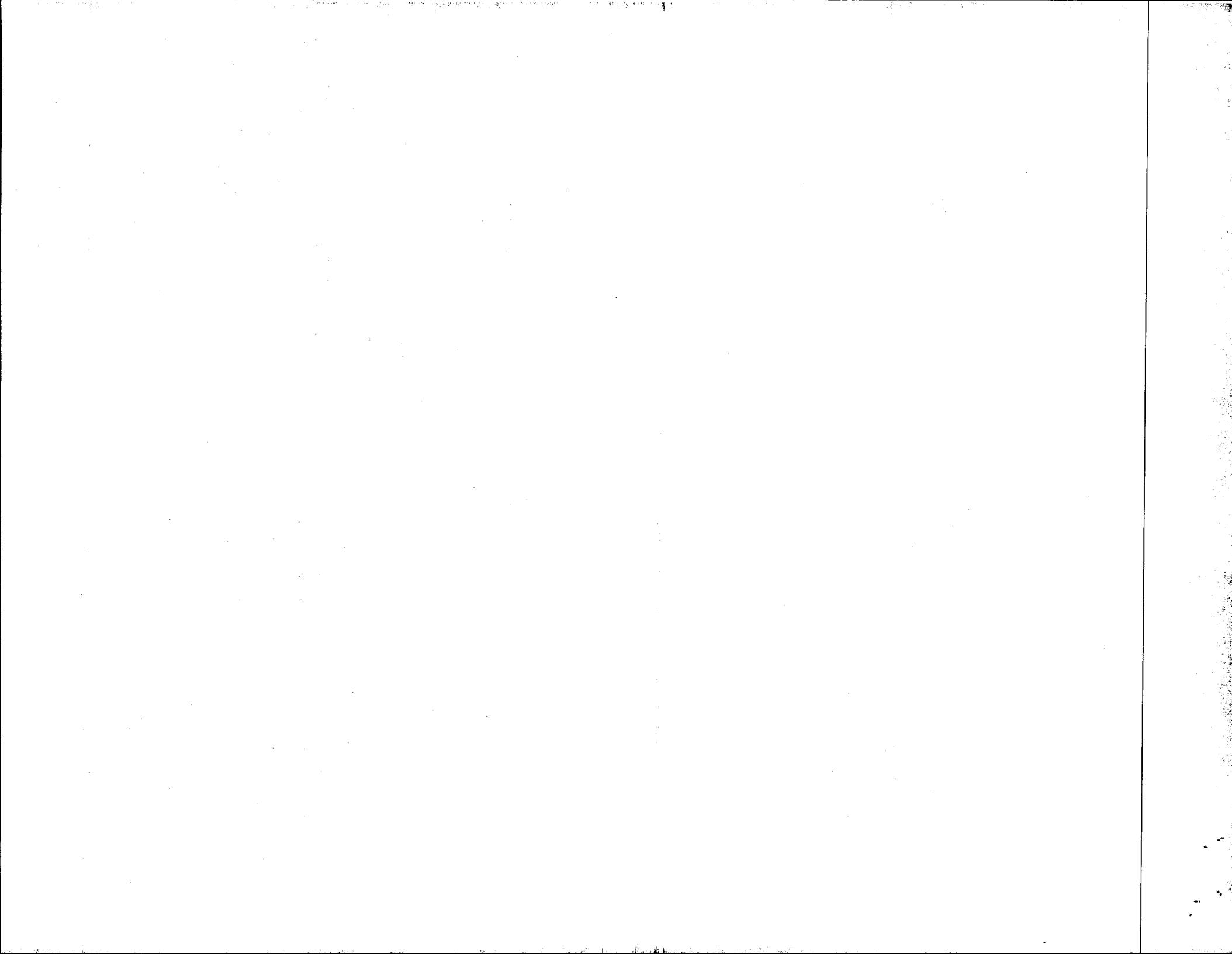
Classification : Immediate (acute) health hazard
Delayed (chronic) health hazard

Composition/information on ingredients

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
manganese dioxide	No.	No.	No.	Yes.	Yes.
Zeolites	No.	No.	No.	Yes.	No.
Polyphenyls, quater- and higher, partially hydrogenated	No.	No.	No.	Yes.	No.
Talc , not containing asbestos-form fibres	No.	No.	No.	Yes.	No.
carbon black, respirable powder	Yes.	No.	No.	No.	Yes
terphenyl	No.	No.	No.	Yes.	No.
1,3-diphenylguanidine	Yes.	No.	No.	Yes.	Yes,
bis(piperidinothiocarbonyl) tetrasulphide	Yes.	No.	No.	Yes.	No.

SARA 313

Supplier notification	<u>Chemical name</u>	<u>CAS number</u>	<u>Concentration</u>
	: manganese dioxide	1313-13-9	30 - 60



Product code **PS 890 B 2 Part A**

Date of issue **24 February 2015** Version **3.02**

Product name **PS 890 B 2 Part A**

Section 15. Regulatory information

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health : 3 Flammability : 0 Physical hazards : 1

(*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-8888.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Health : 3 Flammability : 0 Instability : 1

Date of previous issue : 1/6/2015.

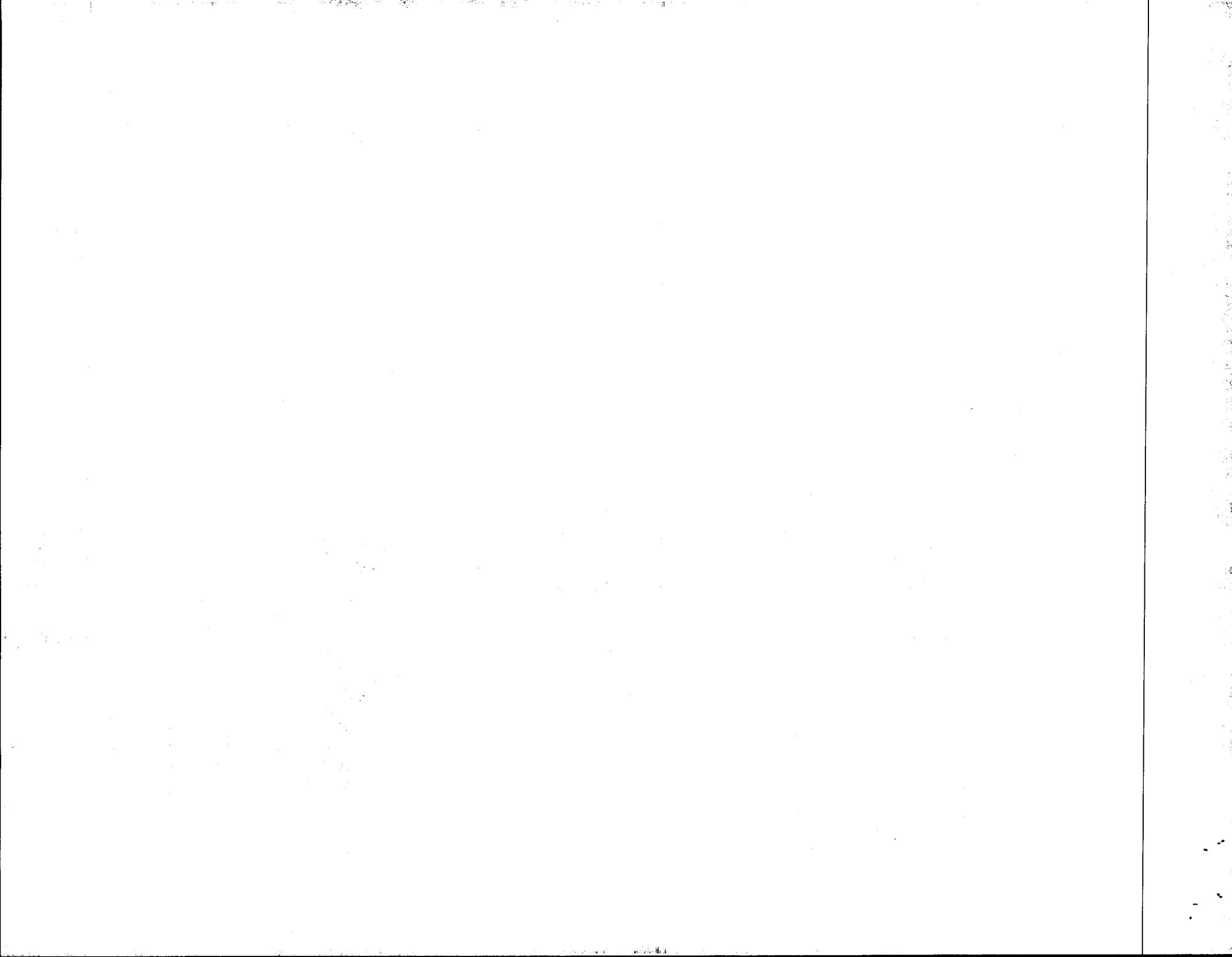
Organization that prepared the MSDS : EHS

Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
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Indicates information that has changed from previously issued version.

Disclaimer

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.



SAFETY DATA SHEET



Date of issue/Date of revision 20 November 2014
Version 2.01

Section 1. Identification

Product name : PS 890 B 2 Part B
Product code : PS 890 B 2 Part B
Other means of identification : Not available.
Product type : Solid.

Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications.

Use of the substance/mixture : Sealants

Uses advised against : Not applicable.

Supplier : PPG Aerospace PRC-DeSoto
12780 San Fernando Road
Sylmar, CA 91342
Phone: 818 362 6711

Emergency telephone number : (412) 434-4515 (U.S.)
(514) 645-1320 (Canada)
01-800-00-21-400 (Mexico)

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

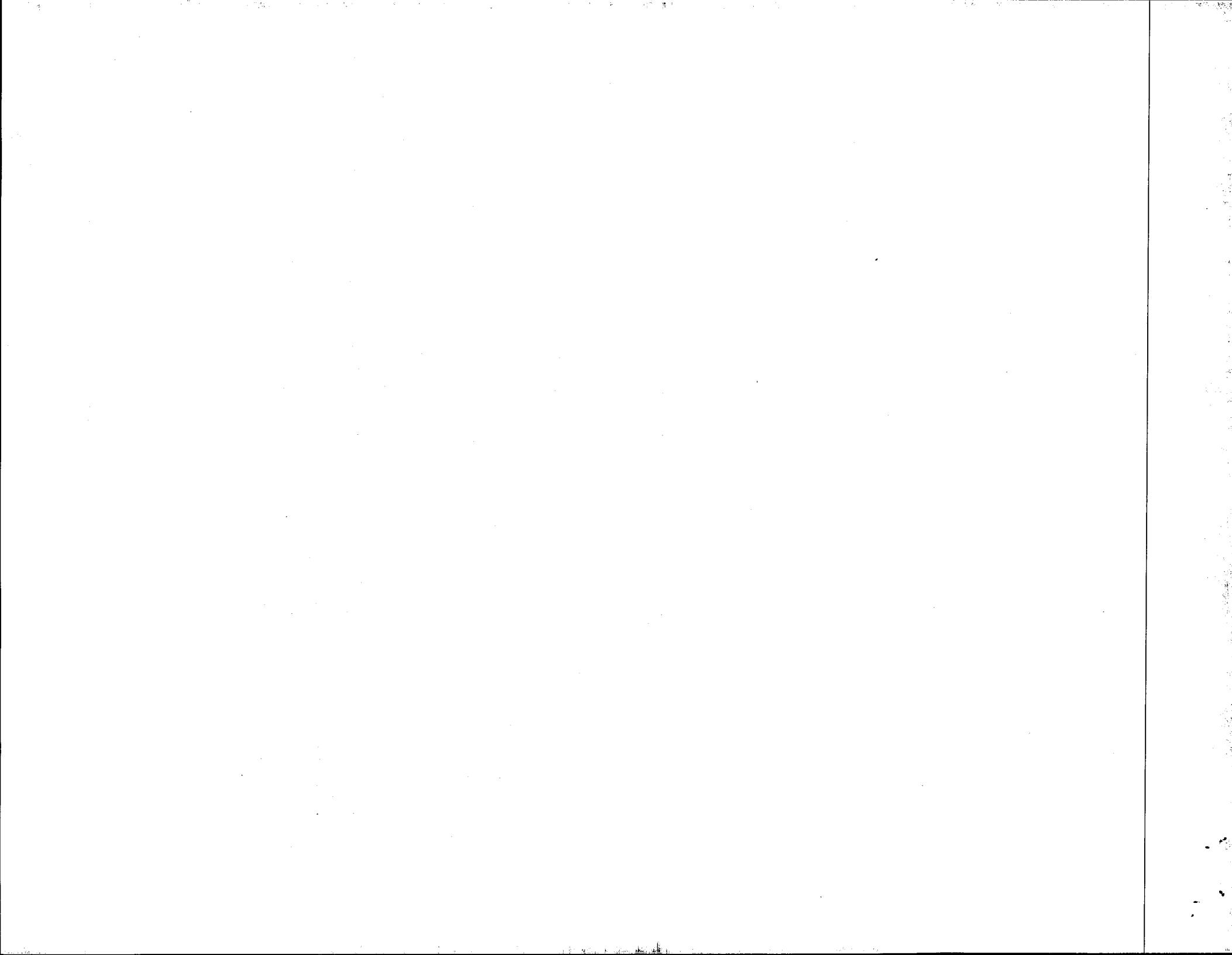
Classification of the substance or mixture : SKIN CORROSION/IRRITATION - Category 2
CARCINOGENICITY - Category 2
TOXIC TO REPRODUCTION (Unborn child) - Category 2
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 9.2%

GHS label elements

Hazard pictograms :



Signal word : Warning



Product code PS 890 B 2 Part B

Date of issue 20 November 2014 Version 2.01

Product name PS 890 B 2 Part B

Section 2. Hazards identification

Hazard statements

- : Causes skin irritation.
- Suspected of damaging the unborn child.
- Suspected of causing cancer.
- May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Do not breathe dust. Wash hands thoroughly after handling.
Response	: Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention.
Storage	: Store locked up.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: 1-component mixtures: formaldehyde is released during curing. Formaldehyde may cause irreversible effects, is irritating to the mucous membranes and may cause skin sensitization. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.
Hazards not otherwise classified	: Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product name : PS 890 B 2 Part B

Ingredient name	%	CAS number
calcium carbonate	15 - 40	471-34-1
proprietary modified polysulfide polymer	3 - 7	Not available.
toluene	1 - 5	108-88-3
titanium dioxide	1 - 5	13463-67-7
proprietary modified polysulfide polymer	1 - 5	Not available.
thiram (ISO)	0.1 - 1	137-26-8

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

Description of necessary first aid measures

Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Ingestion	: If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

Most Important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: Causes serious eye irritation.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes skin irritation. Defatting to the skin.
Ingestion	: Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

Indication of Immediate medical attention and special treatment needed, If necessary

Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.

Section 4. First aid measures

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
halogenated compounds
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Section 6. Accidental release measures

Small spill

: Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill

: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Special precautions

: If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

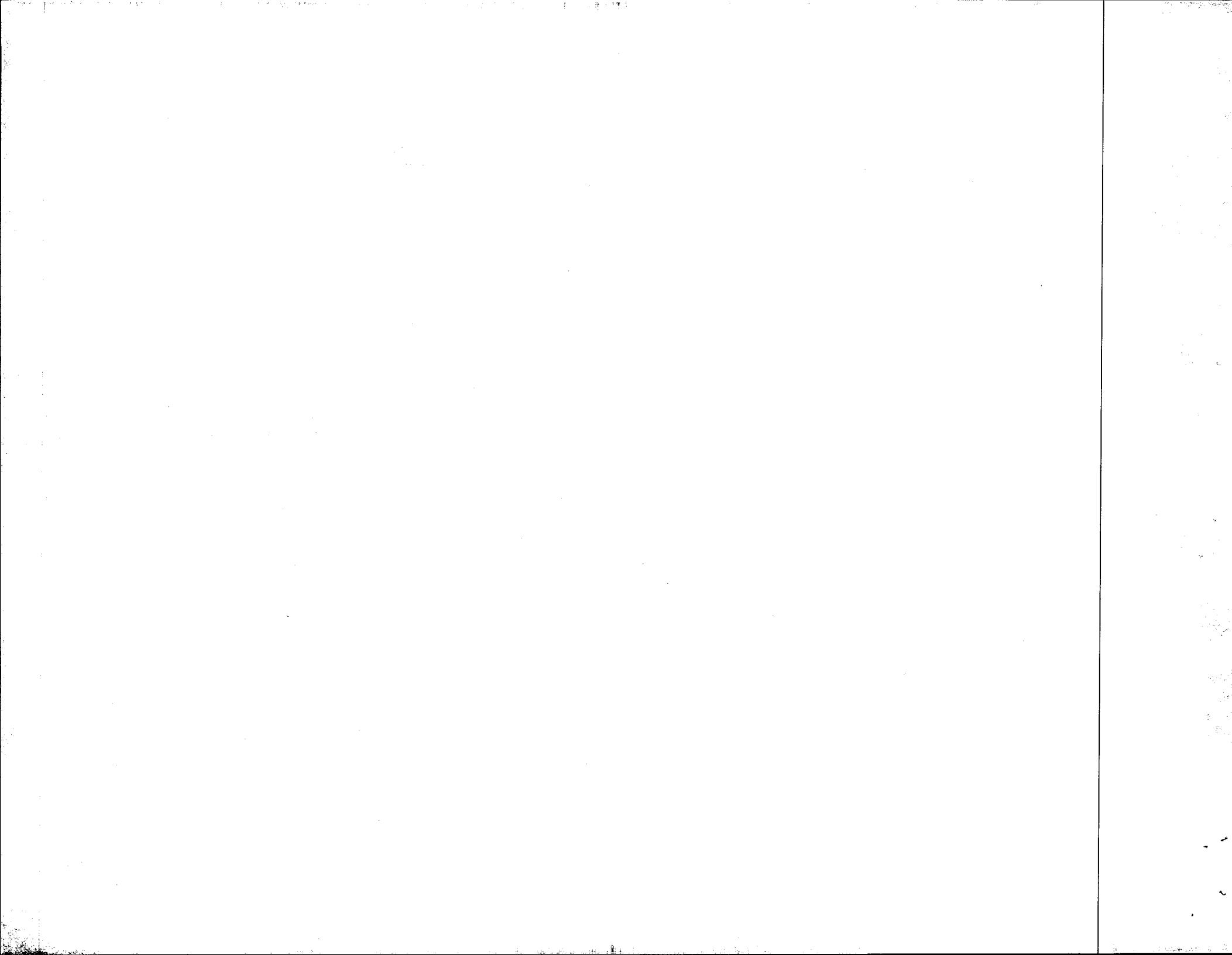
Conditions for safe storage, including any incompatibilities

: Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits



Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
calcium carbonate.	ACGIH TLV (United States). TWA: 3 mg/m ³ Form: Respirable TWA: 10 mg/m ³ Form: Total dust OSHA PEL (United States). TWA: 5 mg/m ³ Form: Respirable TWA: 15 mg/m ³ OSHA PEL (United States, 2/2013). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust
toluene	OSHA PEL Z2 (United States, 2/2013). AMP: 500 ppm 10 minutes. CEIL: 300 ppm TWA: 200 ppm 8 hours. ACGIH TLV (United States, 4/2014). TWA: 20 ppm 8 hours.
titanium dioxide	OSHA PEL (United States, 2/2013). TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 4/2014). TWA: 10 mg/m ³ 8 hours.
thiram (ISO)	ACGIH TLV (United States, 4/2014). Skin sensitizer. TWA: 0.05 mg/m ³ 8 hours. Form: Inhalable fraction and vapor OSHA PEL (United States, 2/2013). TWA: 5 mg/m ³ 8 hours.

Key to abbreviations

A	= Acceptable Maximum Peak	S	= Potential skin absorption
ACGIH	= American Conference of Governmental Industrial Hygienists.	SR	= Respiratory sensitization
C	= Ceiling Limit	SS	= Skin sensitization
F	= Fume	STEL	= Short term Exposure limit values
IPEL	= Internal Permissible Exposure Limit	TD	= Total dust
OSHA	= Occupational Safety and Health Administration.	TLV	= Threshold Limit Value
R	= Respirable	TWA	= Time Weighted Average
Z	= OSHA 29CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances		

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Section 8. Exposure controls/personal protection

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Chemical splash goggles.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Section 9. Physical and chemical properties

Appearance

Physical state : Solid.

Color : White.

Odor : Not available.

Odor threshold : Not available.

pH : Not available.

Melting point : Not available.

Boiling point : Not available.

Flash point : Closed cup: 67.22°C (153°F)

Material supports combustion. : Yes.

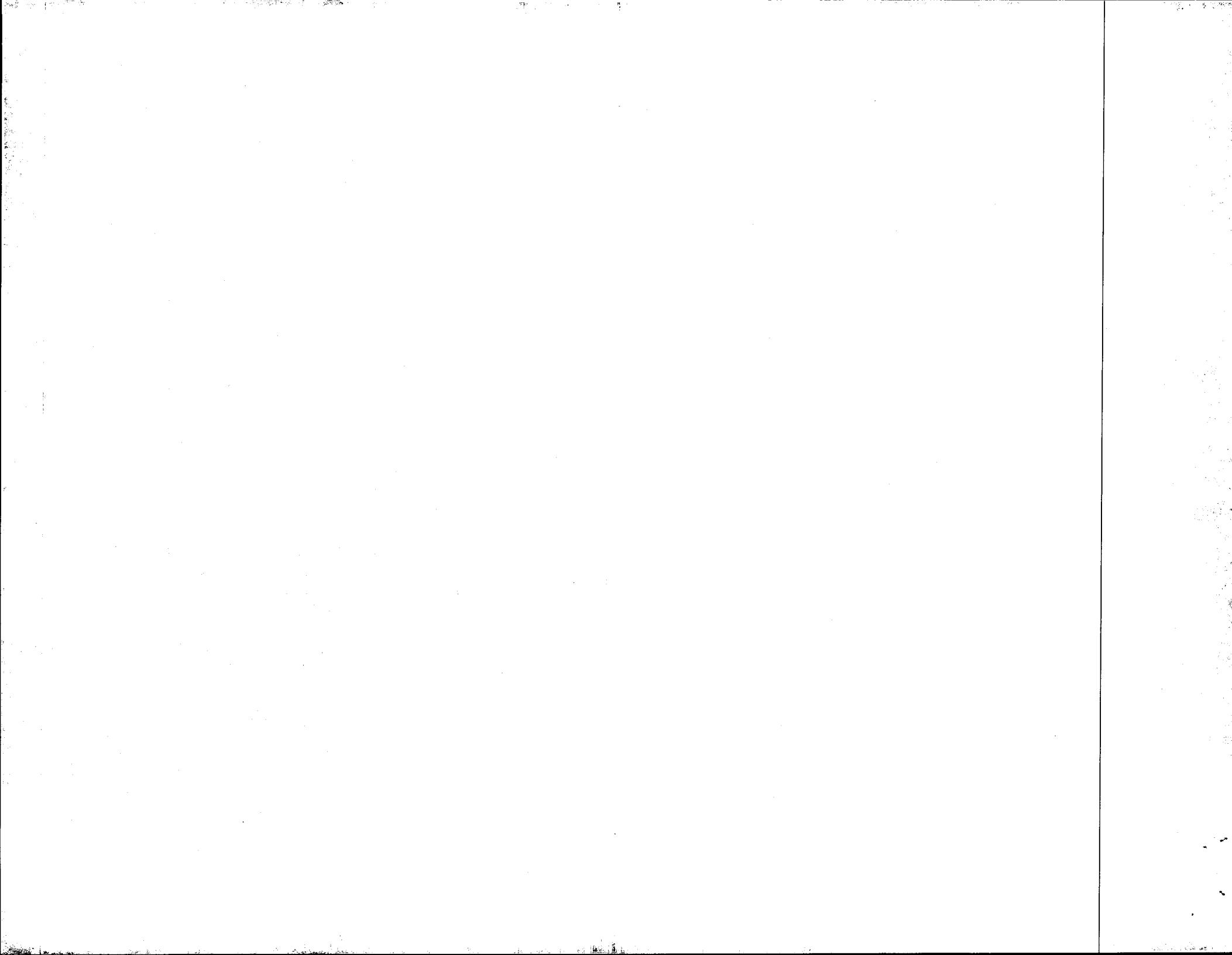
Auto-Ignition temperature : Not available.

Decomposition temperature : Not available.

Flammability (solid, gas) : Not available.

Lower and upper explosive (flammable) limits : Lower: 1%

Evaporation rate : Not available.



Section 9. Physical and chemical properties

Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 1.5
Density (lbs / gal)	: 12.52
Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n-octanol/water	: Not available.
Viscosity	: Kinematic (40°C (104°F)): Not applicable.
VOC	: 57 g/l

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products	: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
calcium carbonate	LD50 Oral	Rat	6450 mg/kg	-
toluene	LC50 Inhalation Vapor	Rat	49 g/m³	4 hours
	LC50 Inhalation Vapor	Rat	8000 ppm	4 hours
	LD50 Dermal	Rabbit	8.39 g/kg	-
titanium dioxide	LD50 Oral	Rat	636 mg/kg	-
thiram (ISO)	LD50 Oral	Rat	>10 g/kg	-
	LC50 Inhalation Dusts and mists	Rat	4420 mg/m³	4 hours
	LD50 Dermal	Rat	>5000 mg/kg	-
	LD50 Oral	Rat	560 mg/kg	-

Conclusion/Summary : There are no data available on the mixture itself.

Irritation/Corrosion

Conclusion/Summary

Section 11. Toxicological information

Information on the likely routes of exposure

Potential acute health effects

Eye contact : Causes serious eye irritation.
Inhalation : No known significant effects or critical hazards.
Skin contact : Causes skin irritation. Defatting to the skin.
Ingestion : Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
irritation
redness
dryness
cracking
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Conclusion/Summary : There are no data available on the mixture itself. **1-component mixtures:** formaldehyde is released during curing. Formaldehyde may cause irreversible effects, is irritating to the mucous membranes and may cause skin sensitization. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Short term exposure

Potential immediate effects : There are no data available on the mixture itself.
Potential delayed effects : There are no data available on the mixture itself.

Long term exposure

Section 11. Toxicological information

Potential immediate effects	: There are no data available on the mixture itself.
Potential delayed effects	: There are no data available on the mixture itself.
Potential chronic health effects	
General	: May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Carcinogenicity	: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: Suspected of damaging the unborn child.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	16598.2 mg/kg

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
titanium dioxide thiram (ISO)	Acute LC50 >100 mg/l Fresh water Acute EC50 0.04 mg/l Marine water Acute LC50 0.02 mg/l Marine water Acute LC50 0.01 mg/l Fresh water	Daphnia - Daphnia magna Algae - Nannochloropsis oculata Crustaceans - Artemia franciscana - Nauplii Daphnia - Daphnia magna - Neonate	48 hours 72 hours 48 hours 48 hours

Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
toluene	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
toluene	2.73	8.32	low
thiram (ISO)	1.73	3.39	low

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Product code PS 890 B 2 Part B

Date of Issue 20 November 2014 Version 2.01

Product name PS 890 B 2 Part B

Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

14. Transport information

	DOT	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class (es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.
Product RQ (lbs)	4412.8	Not applicable.	Not applicable.
RQ substances	(thiram (ISO), toluene)	Not applicable.	Not applicable.

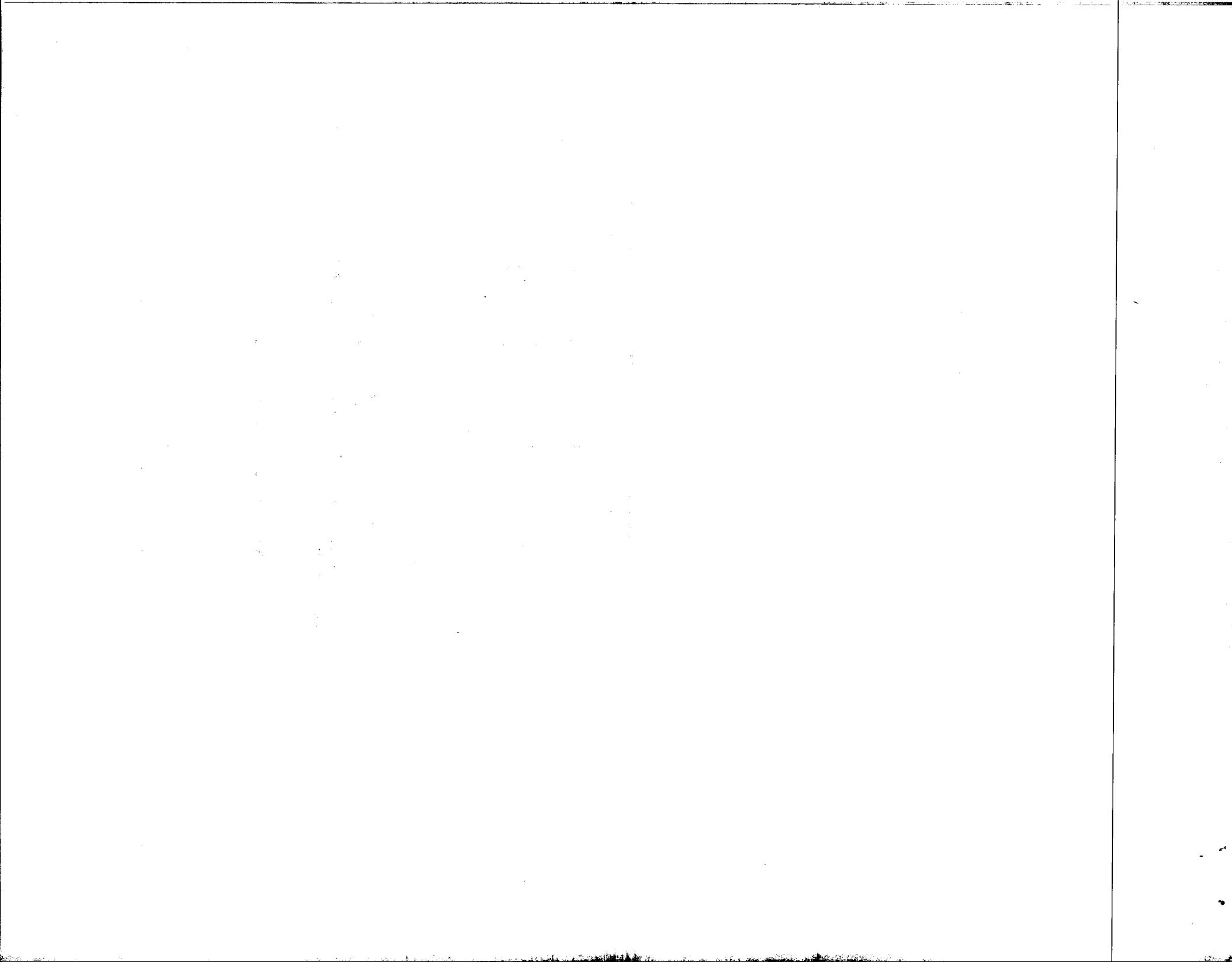
Additional information

DOT : Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

IMDG : None identified.

IATA : None identified.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.



Product code **PS 890 B 2 Part B**

Date of issue **20 November 2014 Version 2.01**

Product name **PS 890 B 2 Part B**

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health : 2 * Flammability : 2 Physical hazards : 0
(*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6888.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Health : 2 Flammability : 2 Instability : 0

Date of previous issue : 10/18/2014.

Organization that prepared the MSDS : EHS

Key to abbreviations

- : ATE = Acute Toxicity Estimate
- : BCF = Bioconcentration Factor
- : GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- : IATA = International Air Transport Association
- : IBC = Intermediate Bulk Container
- : IMDG = International Maritime Dangerous Goods
- : LogPow = logarithm of the octanol/water partition coefficient
- : MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- : UN = United Nations

Indicates information that has changed from previously issued version.

Disclaimer

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.

PRC-DeSoto International, Inc.
A PPG Industries Company

Certificate of Conformance

Pick Ticket

02/10/16

11:10:55

PRC DESOTO INTL-ASC DALLAS
2750 114th Street, Suite 400
Grand Prairie, TX 75050
UNITED STATES
Phone: 817-640-1067

Fax: 817-640-1058

Order Date: 01/09/16
Cust. No.: DA090713
Terms: net30
Cust. P.O.: 45364007

Pack List #: S1191670



Site: 3723US

CSR: DA525

Transaction Type:
Shipment Terms:

DS-PO#:

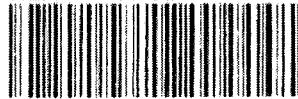
Shipvia: SEE BELOW

Remarks: SPEC-AVIALL/ROJEAN 972-586-1314 KC

Sold To: DA090713

AVIALL SERVICES, INC.
P.O. BOX 619048
DALLAS, TX 75261-9048
UNITED STATES

ITEM PS890B2PT=5N



BATCH 7364189074

AMAY
02/15/16

Line	Qty Ordered	UM	Description	Req Date	Due Date	Promise Date	Qty to Ship	Qty Picked
------	-------------	----	-------------	----------	----------	--------------	-------------	------------

NEVER ADD FRT TO INVOICE, MUST SHIP COLLECT
FEDEX GROUND COLLECT ACCT #123985630
IF 150 LBS OR MORE FEDEX FREIGHT COLLECT (ACCT# 532626056)
DO NOT SHIP PARTIAL LINES! *** MSDS REQUIRED WITH EACH SHIPMENT ***
MUST HAVE 75% SHELF LIFE.
EDGE PROTECTORS REQUIRED
LINE 30, 40, & 50 PRICE SUBJECT TO CHANGE

20	384	EA	0890B002CA012PTAV	02/09/16	02/09/16	02/09/16		
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PRC STANDARD

PS 890 B 2 PT KIT

SPEC: PRC STD POLYSULFIDE REV.0RG

Customer Item: PS890B2PT=5N

Lot No: 798580-02

*Location: STOCK

Expires After: 11/16

In compliance with the chemical registration laws of UNITED STATES

798580-02

DOM GR DOP: 62.16

EXP DATE: 11-16

SHELF LIFE: 9 MONTHS

384

384
018920

24.14

Shipped by

Date 21016

PPG Aerospace/PRC DeSoto International certifies that the above material has been manufactured, tested and conforms to all requirements in accordance with applicable specifications. All test data pertaining to batch acceptance requirements defined by the specification for this material is on file and available for inspection on request. For Non-US PPG Customers, we can only offer Technical Data/Test Reports for any ITAR restricted specifications with valid US export authorization.

SH6

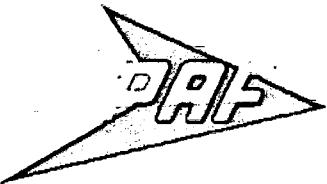
QC29

Billy Gray
Quality
Control

SHIPPER'S LETTER OF INSTRUCTION

SHIPPER'S REF#	DATE	OTHER MARKS AND NUMBERS		PARTIES TO TRANSACTION		
8002954753	04/05/2016			<input type="checkbox"/> Related	<input checked="" type="checkbox"/> Unrelated	
SHIPPER: U.S. PRINCIPAL PARTY IN INTEREST(USPPI) AVIALL CENTRAL WAREHOUSE 2750 REGENT BLVD DFW AIRPORT 75261-9048 TX US			SOLD TO/FOREIGN PRINCIPAL PARTY IN INTEREST(FPPI) EVERGREEN(EGAT)AVIATION TECH C CKS AIRPORT TAOYUAN 337 TW			
USPPI EIN				Shipping Account Number		400010
SHIP TO (Complete Name and address) EVERGREEN AVIATION TECH CORP C/O ROUND THE WORLD LOGISTICS 1440 FRANCISCO ST TORRANCE 90501-1313 CA US			FORWARDING AGENT FEDEX FEDEX NATIONAL LTL INC PO BOX 94515 PALATINE 60094-4515 IL			
Routed Export Transaction USPPI FILLING EEI AES ITN: ROUTED TRANSACTION		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	BIS/DDTC LICENCE No: NLRAT Hazardous Material <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Incoterms	
POINT(STATE) OF ORIGIN or FTZ NO:		US	COUNTRY OF ULTIMATE DESTINATION:		US	
Additional Handling Instructions						
<input type="checkbox"/> Dangerous Goods per attached Shipper's Declaration <input type="checkbox"/> Non-Regulated						
<input type="checkbox"/> Shipment intended for Ocean Transportation. Not authorized for Air . <input type="checkbox"/> Shipment intended for Air Transportation. <input type="checkbox"/> Shipment intended for Ground Transportation. Not Authorized for Air.						
<input type="checkbox"/> Cargo Aircraft only <input type="checkbox"/> Authorized for Air and Ocean						
Nature and Quantity of Goods						
CLASSIFICATION AND LICENSING INFORMATION						
Information provided on this manifest including the first 6 digits of the HTS/Schedule B may also be used to fulfill destination country reporting requirement						
D/F/M	Schedule B/HTS	Commodity Description		Qty	Weight (Kilos)	ECCN/USML
D - US	841191917010	Aircraft parts and components		1.000	0.420	9A991.d
SHIPMENT VALUE FOR CUSTOMS:			\$ 431.17			
Commerce: These commodities, technology, or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited.						

Regarding Routed Export Transactions: Unless otherwise specified it is specifically agreed that customer shall be the foreign principal party in interest and/or that its freight forwarder shall act as customer's agent in such capacity for purposes of the Foreign Trade Regulations or other regulatory purposes, and customer and its freight forwarder are responsible for all routed export transactions documentation, including, but not limited to, the filing of the required Electronic Export Information/Automated Export System records. At AVIALL#s request, or its freight forwarder shall provide copies of any export, shipping, or import documentation prepared by customer or its freight forwarder related to sales to customer by AVIALL.	Skids /Cartons	Dimensions			Gross Weight
		Length	Width	Height	
	01	20.000	20.000	4.000	2.232
Certify that the statements made and all information contained herein are true and correct. I understand that civil and criminal penalties, including forfeiture and sale, may be imposed for making false or fraudulent statements herein, failing to provide the requested information or for of U.S. laws on exportation (13 U.S.C. Sec. 305; 22 U.S.C. Sec. 401, 18 U.S.C. Sec. 1001, 50 U.S.C. app. 2410)					
Print Name (Duly authorized officer or employee):					
Signature:	Date:				
Confidential Electronic Export Information (or any successor document) wherever located, shall be exempt from public disclosure unless the determines that such exemption would be contrary to the national interest (Title 13, Chapter 9, Section 301 (g))					
Carrier Signature:	Date:	Total Skids	1	Total Weight	2.232



PEERLESS AEROSPACE FASTENER CORP.

141 Executive Blvd., PO Box 710, Farmingdale, NY 11735-0710

Sales (631) 420-8200

Accounting (631) 962-2211

Expediting (631) 962-2214

Fax (631) 420-9617

Quality (631) 962-2217

Email: sales@pafcorp.com

SHIP TO:

AVIALL CENTRAL WAREHOUSE
2750 REGENT BLVD
DFW AIRPORT
DALLAS, TX 75261

SOLD TO:

AVIALL AEROSPACE HARDWARE
ATT: ACCTS PAYABLE
PO BOX 619048
DALLAS, TX 75261-9048

PACKING SLIP

SALES NUMBER	SNYCM5YK
INVOICE NUMBER	INY2QW42
INVOICE DATE	02/01/16
SHIP VIA	FED GROUND
WAYBILL	636358450511
CARTONS	2
WEIGHT (lbs.)	70.00
PAGE	1 of 1

CUSTOMER CODE	BUYER	CUSTOMER PO NUMBER			FOB		
SALES REP	TIM MILLER	EMAIL			TERMS		
LINE #	ORDER QTY	SHIP QTY	BALANCE	UM	CUSTOMER PART / PAF PART	PRICE (\$)	TOTAL
10	19,400	19,400	0	EA	CR3242-4-02 / CR3242-4-2 CHERRymax RIVETS MFG: CHERRY LOT: 88109313		
		18,900			MFG: CHERRY LOT: 88103682		
		500			DESC: A/C FASTENERS:8803.30.0010		

ITEM CR3242 - 4 - 02 - 29



BATCH 7364181273

RAMSEY
02/04/16

Sealed and shipped by

VICTOR ROSALES

Cage: 2G586

The quality system of this facility has been registered to the ISO 9001, AS9100 and AS9120 Standards.

- Peerless BAE#: BAE/AG/20403/MMA
- Peerless AirbusUK#: 91011
- Applicable Terms and Conditions Document SER-FO-007 (attached and available at www.pafcorp.com) are incorporated as part of this document.
- Country of Origin U.S.A.



The customer's use of a part number/description or our recital of a customer's designated part number/description does not of itself commit Peerless to supply parts of a specific manufacturer.

CERTIFICATE OF CONFORMANCE

It is hereby certified that all articles in the above shipment and in the quantities as called for in the above contractor's purchase order are in conformance with the requirements, specifications and drawings applicable to that order.



By: 
Paul Feraca
Quality Assurance Manager

SHI-FO-007 REV.A



CHERRY AEROSPACE
A Division of PCC Company

1224 East Warner Avenue
Santa Ana, CA 92707-0157



Chemical Processing
Heat Treating
ISO/IEC 17025
Material Testing Lab

Final Inspection & Test Report CherryMax® Rivet

An ISO9001 and AS9100 registered company. OASIS #6111041606

Part Numbers	Rev	Proc. Spec.	Rev	Lot I.D. No.:	88109313
CR3242PR-4-02	AE	PS-CMR-3000	R		
CR3242-4-02	AE	PS-CMR-3000	R		
** See 2nd Page for the Customer Parts					

ASSEMBLY DATA

TYPE	ID #	CERT #	MATERIAL	FINISH	LUBE
Rivet	88097001	A77457	QQ-A-430/5056	MIL-C-5541 CLEAR CL1A	None
Stem	88064578	A77195	AMS6322 / 8740ST	QQ-P-416/T2CL2/CAD PL	Par-90
Collar	00000000	A77349	A-286 / AMS 5731, 5737	Passivate per AMS2700	None

W.O. #: 09180218

Final Lube: None

QUALITY CONFORMANCE/ACCEPTANCE RESULTS

MIN REQ'D	INSTALLED SHEAR		TENSION		SPINDLE RETENTION			DISASSEMBLY	
	480		345		125		150	10	
	SAMPLE SIZE	8	5	8	5	5	8	5	5
SPECS	C-N-M	B	C-N-M	B	C-N-M	M	B	C-N-M-B	
RESULTS	973	973	433	433	293	231	293		27
	960	960	432	432	269	235	269		21
	972	972	426	426	279	227	279		25
	981	981	425	425	257	245	257		35
	950	950	436	436	247	245	247		25
C=CR N=NAS	953		425			255			
M=MIL B=BAC	956		429			228			
LOAD VALUES IN POUND	959		418			235			

PCS.	ITEM	STATUS	PCS.	ITEM	STATUS
20	EXAMINATION	PASS	20	INSTALLATION (Min and Max Grips)	PASS



Comments:

Blind Fastener

Tr. Rev: 3	Q Code V00
Rev. Date: 11/23/2015	
Inspector S Nguyen	ACC 303

The parts contained in this shipment have been manufactured and inspected in accordance with TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Fasteners of similar dimensional properties may have widely varying performance and metallurgical properties. Substitution of parts may only be done if acceptable to or approved by the Administrator.

This test report shall not be reproduced except in full, without the written approval of the laboratory.
The recording of false, fictitious, or fraudulent statement or entries on the certificate may be punished as a felony under Federal law.



CHERRY AEROSPACE
SST Warner Division of FCC Company
1224 East Warner Avenue
Santa Ana, CA 92707-0157



Chemical Processing
Heat Treating
ISO/IEC 17025
Material Testing Lab

Final Inspection & Test Report
CherryMax® Rivet

An ISO9001 and AS9100 registered company. OASIS #6111041606

Customer Parts List

Lot I.D. No.: **88109313**
Rev: **3**

<u>Customer Part Number</u>	<u>Rev</u>	<u>Proc. Spec.</u>	<u>Rev</u>
132272A402	F	NAS1687	3
BACR15FP4B2R	AB	NAS1740	9
NAS9305B-4-02	6	NAS1686	4
NAS9305BNS-4-02	6	NAS1686	4
M7885/7-4-02	C1	MIL-R-7885	D2
MBBN3013L3602	01/06	MBBN3015	12.2003
ASNA0077A402X	P	BAS1686	4

Parts delivered in accordance with the standard amendments as agreed by Cherry/EADS.



1. Approving Civil Aviation Authority/Country: FAA/United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 7364181273 1000000020099110
--	---	---

4. Organization Name and Address: AVIALL SERVICES INC. 2750 REGENT BLVD DFW AIRPORT, TX 75261-9048	5. Work Order/Contract/Invoice Number: 31868
--	---

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1.	A/C FASTENERS	CR3242-4-02	1	N/A	NEW

12. Remarks:

CA
COL
1414

B/N:88109313

1 PACK=100 PCS

TSO-C148

EXPORT AIRWORTHINESS APPROVAL

EXPORT-THIS ARTICLE MEETS THE SPECIAL REQUIREMENT OF CANADA

THE PRODUCT(S)/ARTICLE(S) SHIPPED UNDER THIS APPROVAL WERE PRODUCED BY CHERRY AEROSPACE.

13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.	14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.
--	--

13b. Authorized Signature: 	13c. Approval/Authorization No.: 726425056	14b. Authorized Signature:	14c. Approval/Certificate No.:
---	---	----------------------------	--------------------------------

13d. Name (Typed or Printed): JAMES FERRIS	13e. Date (dd/mmm/yyyy): 05 APR 2016	14d. Name (Typed or Printed):	14e. Date (dd/mmm/yyyy):
---	---	-------------------------------	--------------------------

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/ article(s) from the airworthiness authority of the country specified in the Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.